

# METHOD AND APPARATUS FOR EFFICIENTLY ALLOCATING MEMORY WHEN SWITCHING BETWEEN DVD AUDIO AND DVD VIDEO

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## ABSTRACT OF THE DISCLOSURE

When switching between a DVD-video mode and a DVD-audio mode in a DVD-A/V player, a current video frame is stored in a current display buffer portion of the memory during the DVD-video mode. The DVD-A/V player is paused in the DVD-video mode and set in the DVD-audio mode. If it is determined that the current display buffer portion of the memory is a reserved display buffer portion of the memory, then the current video frame is copied to a reconstructed display buffer portion of the memory. At least the current display portion of the memory is designated as an ASV buffer and a frame buffer management scheme is changed so as to preserve the ASV buffer.

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